

GenCore version 5.1.6  
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 OM nucleic - nucleic search, using sw model  
 Run on: November 12, 2004, 23:22:45 ; Search time 273 Seconds  
 (without alignments)  
 9417.106 Million cell updates/sec

Title: US-09-806-302A-1  
 Perfect score: 476  
 Sequence: 1 acgagctgcacgcacgact.....cctcaattcattccattca 476

Scoring table: IDENTITY NUC  
 Gapop 10.0, Gapext 1.0

Searched: 3625171 seqs, 2700493622 residues

Total number of hits satisfying chosen parameters: 7250342

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000  
 Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Database : Published Applications NA:\*

1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:  
 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:  
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 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:  
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 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:  
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 14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:  
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 17: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq:  
 18: /cgn2\_6/ptodata/1/pubpna/US10F\_PUBCOMB.seq:  
 19: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq:  
 20: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:  
 21: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	476	100.0	476	9	US-09-985-911-5
2	434.2	91.2	497	9	US-09-110-716-30
3	431.6	90.7	517	14	US-10-097-340-186
4	431.6	90.7	517	15	US-10-177-293-279
5	431.6	90.7	517	15	US-10-119-431-26
6	431.6	90.7	517	15	US-10-295-027-503
7	431.6	90.7	733	14	US-10-198-846-10282
8	407.4	85.6	491	9	US-09-967-768A-62
C 9	295.2	62.0	522	10	US-09-814-353-2203
C 10	295.2	62.0	522	10	US-09-814-353-8543
C 11	295.2	62.0	635	10	US-09-814-353-14927
12	293.4	61.6	407	14	US-10-198-846-8737
					Sequence 5, Appli
					Sequence 30, Appl
					Sequence 186, App
					Sequence 279, App
					Sequence 26, Appl
					Sequence 503, Appl
					Sequence 10282, A
					Sequence 62, Appl
					Sequence 2203, Ap
					Sequence 8543, Ap
					Sequence 14927, A
					Sequence 8737, Ap

13 291.8 61.3 499 14 US-10-198-846-129  
 14 280 58.8 368 9 US-09-867-701-6508  
 15 223.8 47.0 495 9 US-09-956-999-5  
 16 223.8 47.0 495 9 US-09-934-054-4  
 17 223.8 47.0 503 9 US-09-110-716-33  
 18 223.8 47.0 503 9 US-09-934-054-11  
 19 223.8 47.0 503 10 US-09-905-673-27  
 20 223.8 47.0 503 14 US-10-042-945-69  
 21 223.8 47.0 503 15 US-10-157-031-55  
 22 223.8 47.0 503 15 US-10-177-293-277  
 23 223.8 47.0 503 15 US-10-096-319-27  
 24 223.8 47.0 503 15 US-10-393-590-3  
 25 223.8 47.0 503 15 US-10-393-567-3  
 26 223.8 47.0 503 15 US-10-394-087-3  
 27 223.8 47.0 503 17 US-10-283-978A-405  
 28 223.8 47.0 503 18 US-10-427-217A-17  
 29 223.8 47.0 503 18 US-10-427-217A-18  
 30 223.8 47.0 535 10 US-09-975-502A-1  
 31 223.8 47.0 700 14 US-10-198-846-10860  
 32 223.8 47.0 751 14 US-10-198-846-8492  
 33 223.8 47.0 878 14 US-10-198-846-10961  
 34 222.2 46.7 503 9 US-09-825-301-73  
 35 222.2 46.7 503 15 US-10-033-527-73  
 36 217 45.6 871 14 US-10-198-846-1659  
 37 211.6 44.5 429 10 US-09-905-673-49  
 38 211.6 44.5 429 15 US-10-096-319-49  
 39 210 44.1 429 10 US-09-905-673-46  
 40 210 44.1 429 15 US-10-096-319-46  
 41 208.4 43.8 429 10 US-09-905-673-44  
 42 208.4 43.8 429 10 US-09-905-673-44  
 43 208.4 43.8 429 10 US-09-905-673-44  
 44 208.4 43.8 429 10 US-09-905-673-48  
 45 208.4 43.8 429 15 US-10-096-319-43

## ALIGNMENTS

## RESULT 1

US-09-985-911-5  
 ; Sequence 5, Application US/09985911  
 ; Patent No. US20020151012A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NI ET AL.  
 ; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
 ; FILE REFERENCE: PF257D3  
 ; CURRENT APPLICATION NUMBER: US/09/985,911  
 ; PRIOR FILING DATE: 2001-11-06  
 ; PRIOR APPLICATION NUMBER: 09/583,169  
 ; PRIOR FILING DATE: 2000-05-30  
 ; PRIOR APPLICATION NUMBER: 09/263,810  
 ; PRIOR FILING DATE: 1999-03-08  
 ; PRIOR APPLICATION NUMBER: 08/821,451  
 ; PRIOR FILING DATE: 1997-03-21  
 ; PRIOR APPLICATION NUMBER: 60/014,724  
 ; PRIOR FILING DATE: 1996-03-21  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: Patent version 3.1  
 ; SEQ ID NO 5  
 ; LENGTH: 476  
 ; TYPE: DNA  
 ; ORGANISM: human  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (46)..(330)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: sig\_peptide  
 ; LOCATION: (46)..(108)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: mat\_peptide  
 ; LOCATION: (109)..(330)  
 ; OTHER INFORMATION:  
 ; US-09-985-911-5

Sequence 129, App  
 Sequence 6508, Ap  
 Sequence 5, Appli  
 Sequence 4, Appli  
 Sequence 11, Appl  
 Sequence 27, Appl  
 Sequence 69, Appl  
 Sequence 55, Appl  
 Sequence 277, App  
 Sequence 27, Appl  
 Sequence 3, Appli  
 Sequence 3, Appli  
 Sequence 3, Appli  
 Sequence 405, App  
 Sequence 17, Appl  
 Sequence 18, Appl  
 Sequence 1, Appli  
 Sequence 10860, A  
 Sequence 8492, Ap  
 Sequence 10961, A  
 Sequence 73, Appl  
 Sequence 73, Appl  
 Sequence 1659, Ap  
 Sequence 49, Appl  
 Sequence 46, Appl  
 Sequence 46, Appl  
 Sequence 43, Appl  
 Sequence 44, Appl  
 Sequence 45, Appl  
 Sequence 48, Appl  
 Sequence 43, Appl

Query Match 100.0%; Score 476; DB 9; Length 476;  
Best Local Similarity 100.0%; Pred. No. 2.3e-146; Mismatches 0; Indels 0; Gaps 0;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACGAGCTGCCAGCAGCACTGAAACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATG 60  
DB 1 ACGAGCTGCCAGCAGCACTGAAACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATG 60

QY 61 GTCCTCATGCTGGCGGCGCTCTCTGCACTGCTATGCAAGATCTGGCTGCAAACTCTG 120  
DB 61 GTCCTCATGCTGGCGGCGCTCTCTGCACTGCTATGCAAGATCTGGCTGCAAACTCTG 120

QY 121 GAGGACATGGTGAAGAGACCATCAATCCGACATATCTATCTGCAATACAAAGAGCTT 180  
DB 121 GAGGACATGGTGAAGAGACCATCAATCCGACATATCTATCTGCAATACAAAGAGCTT 180

QY 181 CTTCAAGAGTTCTATAGACAGTATGCGCTGCGAGAGCTATGGGAAATCAAGCAAGTGT 240  
DB 181 CTTCAAGAGTTCTATAGACAGTATGCGCTGCGAGAGCTATGGGAAATCAAGCAAGTGT 240

QY 241 TTCCTCAACCACTCACATAGAACTCTGAAAACTTTGGAGTGTATGATGATGATGATGATG 300  
DB 241 TTCCTCAACCACTCACATAGAACTCTGAAAACTTTGGAGTGTATGATGATGATGATGATG 300

QY 301 GACAGCATTTGGTGAATATGAGAGTAATTAATTTACCAAGGCGTTGGCTGAGG 360  
DB 301 GACAGCATTTGGTGAATATGAGAGTAATTAATTTACCAAGGCGTTGGCTGAGG 360

QY 361 GCTCAGACTATGCGCAGAACTCATCTGTTGATGCTAGAAACCACTTCTTCTTGTGT 420  
DB 361 GCTCAGACTATGCGCAGAACTCATCTGTTGATGCTAGAAACCACTTCTTCTTGTGT 420

QY 421 GCTTTTATGCGAACTGCTAGACAACTGTTGAAACCACTTCTTCTTGTGT 476  
DB 421 GCTTTTATGCGAACTGCTAGACAACTGTTGAAACCACTTCTTCTTGTGT 476

RESULT 2  
US-09-110-716-30  
; Sequence 30, Application US/09110716A  
; Patent No. US2002034739A1  
; GENERAL INFORMATION:  
; APPLICANT: Lehrer, Robert I.  
; APPLICANT: Zhao, Chengquan  
; APPLICANT: Glasgow, Benjamin J.  
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
; FILE REFERENCE: 22000-20596.00  
; CURRENT APPLICATION NUMBER: US/09/110.716A  
; CURRENT FILING DATE: 1998-07-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 30  
; LENGTH: 497  
; TYPE: DNA  
; ORGANISM: lipophilin C  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (41)..(325)  
US-09-110-716-30

Query Match 91.2%; Score 434.2; DB 9; Length 497;  
Best Local Similarity 97.8%; Pred. No. 1.5e-132;  
Matches 451; Conservative 0; Mismatches 8; Indels 2; Gaps 1;

QY 6 CTGCGAGCAGCACTGAACACAGACAGAGCGCGCTCGGCATGAAGCTGCTGATGCTCT 65  
DB 1 CTGCGAGCAGCACTGAACACAGACAGAGCGCGCTCGGCATGAAGCTGCTGATGCTCT 60

QY 66 CATGCTGGCGGCGCTCTCTGCTGCACTGCTATGAGATTTGGCTGCAAACTCTGAGGA 125  
DB 61 CATGCTGGCGGCGCTCTCTGCTGCACTGCTATGAGATTTGGCTGCAAACTCTGAGGA 120

QY 126 CATGCTTGAAGACCACTCAATTCGACATATCTATCTATCTATCTATCTATCTATCTATCT 185  
DB 121 CATGCTTGAAGACCACTCAATTCGACATATCTATCTATCTATCTATCTATCTATCTATCT 180

QY 186 AGAGTTTCATAGACAGTATGCGCGCTGCGAGAGGCTATGGGAAATCAAGCAAGTGTCT 245  
DB 181 AGAGTTTCATAGACAGTATGCGCGCTGCGAGAGGCTATGGGAAATCAAGCAAGTGTCT 240

QY 246 CAACCACTCATATAGCACTCTGAAACCTTTGGAGTGTATGATGATGATGATGATGATGATG 305  
DB 241 CAACCACTCATATAGCACTCTGAAACCTTTGGAGTGTATGATGATGATGATGATGATGATG 300

QY 306 CATTTGCTGTAATATGAAGAGTAATTAATTTACCAAGGCGTTTGGCTGAGAGGCTAC 365  
DB 301 CATTTGCTGTAATATGAAGAGTAATTAATTTACCAAGGCGTTTGGCTGAGAGGCTAC 360

QY 366 AGACTATGGCAGAACTCATCTGTTGATTTGCTAGAAACCACTTCTTCTTGTGTCT 423  
DB 361 AGACTATGGCAGAACTCATCTGTTGATTTGCTAGAAACCACTTCTTCTTGTGTCT 420

QY 424 TTTTATGTTGGAACTGCTAGACAACTGTTGAAACCACTTCTTCTTGTGTCT 464  
DB 421 TTTTATGTTGGAACTGCTAGACAACTGTTGAAACCACTTCTTCTTGTGTCT 461

## RESULT 3

US-10-097-340-186  
; Sequence 186, Application US/10097340  
; Publication No. US20030087250A1  
; GENERAL INFORMATION:  
; APPLICANT: John MONAHAN  
; APPLICANT: Marjula GANNAVARAPU  
; APPLICANT: Sebastian HOERSCH  
; APPLICANT: Shubhangi KAWAYKAR  
; APPLICANT: Steve G. KOVATS  
; APPLICANT: Rachel E. MEYERS  
; APPLICANT: Michael MORRISSEY  
; APPLICANT: Peter OLANDT  
; APPLICANT: Ami SEN  
; APPLICANT: Peter VEIBY  
; APPLICANT: Gordon B. MILLS  
; APPLICANT: Robert C. BASI, JR.  
; APPLICANT: Karen LU  
; APPLICANT: Rosemarie SCHMANDT  
; APPLICANT: Xumei ZHAO  
; APPLICANT: Karen GLATT  
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,  
; FILE REFERENCE: MRI-030  
; CURRENT APPLICATION NUMBER: US/10/097,340  
; CURRENT FILING DATE: 2002-03-14  
; PRIOR APPLICATION NUMBER: 60/276,025  
; PRIOR FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 60/325,149  
; PRIOR FILING DATE: 2001-09-26  
; PRIOR APPLICATION NUMBER: 60/276,026  
; PRIOR FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 60/324,967  
; PRIOR FILING DATE: 2001/09/26  
; PRIOR APPLICATION NUMBER: 60/311,732  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/325,102  
; PRIOR FILING DATE: 2001-09-26  
; PRIOR APPLICATION NUMBER: 60/323,580  
; PRIOR FILING DATE: 2001-09-19  
; NUMBER OF SEQ ID NOS: 363  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 186  
; LENGTH: 517  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-097-340-186

Query Match	90.7%;	Score 431.6;	DB 14;	Length 517;
Best Local Similarity	97.4%;	Mismat. No. 1.1e-131;		
Matches 450;	Conservative 0;	Wildmatches -9;	Indels 3;	Gaps 1
Qy	6	CTGCCACGACGACTGAACACAGACAGACAGCGCGCTCGCCCATGAAGCTGCTGATGGTCT	65	
Db	25	CTGCCACGACGACTGAACACAGACAGACAGCGCGCTCGCCCATGAAGCTGCTGATGGTCT	84	
Qy	66	CATGCTGGCGGCGCTCTCTGCACTGCTATGCAAGATCTGGCTGCAAACTCCTGGAGA	125	
Db	85	CATGCTGGCGGCGCTCTCTGCACTGCTATGCAAGATCTGGCTGCAAACTCCTGGAGA	144	
Qy	126	CATGTTGAAAAAGACCATCAATTCGGACATATCTATACCTGAATACAAAGAGCTCTTCA	185	
Db	145	CATGTTGAAAAAGACCATCAATTCGGACATATCTATACCTGAATACAAAGAGCTCTTCA	204	
Qy	186	AGAGTTCTATAGACAGTATGCGCTGACAGGCTATGGGAAATTCAGAGAGTGTTCCT	245	
Db	205	AGAGTTCTATAGACAGTATGCGCTGACAGGCTATGGGAAATTCAGAGAGTGTTCCT	264	
Qy	246	CAACGAGTCACATAGAAGCTCTGAAAAAGCTTTGGAGCTGATGATGCATACAGTGTACGACAG	305	
Db	265	CAACGAGTCACATAGAAGCTCTGAAAAAGCTTTGGAGCTGATGATGCATACAGTGTACGACAG	324	
Qy	306	CATTTGGTGTAAATGAAAGAGTAATAACTTTACCCAGGCGTTGGCTCAGAGGGCTAC	365	
Db	325	CATTTGGTGTAAATGAAAGAGTAATAACTTTACCCAGGCGTTGGCTCAGAGGGCTAC	384	
Qy	366	AGACTATGGCCAGAACTCATCTGTTGATGTGTAGAAACCACTTCTCTCTGTG--TTCG	422	
Db	385	AGACTATGGCCAGAACTCATCTGTTGATGTGTAGAAACCACTTCTCTCTGTGTGTC	444	
Qy	423	TTTTTTATGTGGAACTGCTAGACAACTGTTCGAAACCTCAATT	464	
Db	445	TTTTTTATGTGGAACTGCTAGACAACTGTTCGAAACCTCAAAAT	486	

RESULT 4  
US-10-177-293-279  
Sequence 279, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Glatt, Karen  
APPLICANT: Zhao, Xumei  
APPLICANT: Gannavarpu, Manjula  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Mertens, Maureen  
APPLICANT: Myer, Vic  
APPLICANT: Wang, Youzhen  
APPLICANT: Xu, Yongyao  
APPLICANT: Hoersch, Sebastian  
APPLICANT: Morahan, John  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Bast Jr., Robert C.  
APPLICANT: Hortobagyi, Gabriel N.  
APPLICANT: Pusztai, Lajos  
APPLICANT: Meric, Funda  
APPLICANT: Sahin, Aysegul  
APPLICANT: Mills, Gordon B.  
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,  
PREVENTION, AND THERAPY OF BREAST CANCER  
FILE REFERENCE: MRI-038  
CURRENT APPLICATION NUMBER: US/10/177,293  
CURRENT FILING DATE: 2002-06-21  
PRIOR APPLICATION NUMBER: US 60/299,887  
PRIOR FILING DATE: 2001-06-21  
PRIOR APPLICATION NUMBER: US 60/301,572  
PRIOR FILING DATE: 2001-06-27  
PRIOR APPLICATION NUMBER: US 60/306,501  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: US 60/325,002  
PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US 60/362,585  
 ; PRIOR FILING DATE: 2002-03-05  
 ; PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
 ; PRIOR FILING DATE: 2002-05-14  
 ; NUMBER OF SEQ ID NOS: 506  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 279  
 ; LENGTH: 517  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-177-293-279

Query Match 90.7%; Score 431.6; DB 15; Length 517;  
 Best Local Similarity 97.4%; Pred. No. 1.le-131;  
 Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;

QY	6	CTGCCACGCGACGACTGAACACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATGGTCCT	65
DB	25	CTGCCACGCGACGACTGAACACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATGGTCCT	84
QY	66	CATGCTGGGGGGCCCTCCTCTGTGACCTGCTATGAGATCTTGGGTGCAAACTCCTGAGGGA	125
DB	85	CATGCTGGGGGGCCCTCCTCTGTGACCTGCTATGAGATCTTGGGTGCAAACTCCTGAGGGA	144
QY	126	CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATACAAAGAGCTTCTTCA	185
DB	145	CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATACAAAGAGCTTCTTCA	204
QY	186	AGATTTCATAGACAGTGAATCCGCTGCAGAGGTATGGGAAATTCAGACAGTGTTCCT	245
DB	205	AGATTTCATAGACAGTGAATCCGCTGCAGAGGTATGGGAAATTCAGACAGTGTTCCT	264
QY	246	CAACCACTACATAGAACTCTGAAAACCTTTGGCACTGATGCATACAGTGTACGACAG	305
DB	265	CAACCACTACATAGAACTCTGAAAACCTTTGGCACTGATGCATACAGTGTACGACAG	324
QY	306	CATTGTGTGTAATATGAAGAGTAATTAACCTTTACCAAGCGCTTTGGCTCAGAGGGCTAC	365
DB	325	CATTGTGTGTAATATGAAGAGTAATTAACCTTTACCAAGCGCTTTGGCTCAGAGGGCTAC	384
QY	366	AGACTATGGCCAGAACTCATCTGTGATTCGTAGAAACACATTTCTCTGTG---TTGC	422
DB	385	AGACTATGGCCAGAACTCATCTGTGATTCGTAGAAACACATTTCTCTGTGTTGTC	444
QY	423	TTTTATTGTGGGAACCTGTAGACAACTGTGTGAAACCTCAATT	464
DB	445	TTTTATTGTGGGAACCTGTAGACAACTGTGTGAAACCTCAATT	486

RESULT 5  
 US-10-119-431-26  
 ; Sequence 26, Application US/10119431  
 ; Publication No. US20030152939A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Smithson, Glenda  
 ; APPLICANT: Zernhusen, Bryan  
 ; APPLICANT: Zhong, Mei  
 ; APPLICANT: Khramtsov, Nikolai  
 ; APPLICANT: Li, Li  
 ; APPLICANT: Gusev, Vladimir  
 ; APPLICANT: Padigaru, Muradidhara  
 ; APPLICANT: Anderson, David  
 ; APPLICANT: Shimkets, Richard A.  
 ; TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING  
 ; TITLE OF INVENTION: THEM  
 ; FILE REFERENCE: Cura-29 CIPI  
 ; CURRENT FILING DATE: US/10/119,431  
 ; PRIOR APPLICATION NUMBER: 60/103,195  
 ; PRIOR FILING DATE: 1998-10-06  
 ; PRIOR APPLICATION NUMBER: 60/282,548  
 ; PRIOR FILING DATE: 2001-04-09  
 ; PRIOR APPLICATION NUMBER: 09/412,231

PRIOR FILING DATE: 1999-10-05  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 26  
LENGTH: 517  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-119-431-26

Query Match 90.7%; Score 431.6; DB 15; Length 517;  
Best Local Similarity 97.4%; Pred. No. 1.1e-131;  
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;  
QY 6 CTGCCACGACGACTGAAACACACAGACGAGCGCCCTCGCCATGAAGCTGCTGATGCTCT 65  
DB 25 CTGCCACGACGACTGAAACACACAGACGAGCGCCCTCGCCATGAAGCTGCTGATGCTCT 84  
QY 66 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125  
DB 85 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144  
QY 126 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 185  
DB 145 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 204  
QY 186 AGAGTTTCATAGACAGTGCCTGCGCTGACAGAGCTATGGGAAATTCAGCAGTGTTCCT 245  
DB 205 AGAGTTTCATAGACAGTGCCTGCGCTGACAGAGCTATGGGAAATTCAGCAGTGTTCCT 264  
QY 246 CAACCACTGACATAGAACTCTGAAAACCTTTGGACTGATGATGATGATGATGATGATGAT 305  
DB 265 CAACCACTGACATAGAACTCTGAAAACCTTTGGACTGATGATGATGATGATGATGATGAT 324  
QY 306 CATTTGGTGTATATGAAGAGTAAATTAACCTTACCCAGAGGCTTTGGCTCAGAGGGCTAC 365  
DB 325 CATTTGGTGTATATGAAGAGTAAATTAACCTTACCCAGAGGCTTTGGCTCAGAGGGCTAC 384  
QY 366 AGACTATGGCGAGAACTCATCTGTTGATTTGCTAGAACCACTTCTCTTTGTC---TTGC 422  
DB 385 AGACTATGGCGAGAACTCATCTGTTGATTTGCTAGAACCACTTCTCTTTGTC---TTGC 444  
QY 423 TTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAATT 464  
DB 445 TTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAAA 486

RESULT 6  
US-10-295-027-503  
Sequence 503, Application US/10295027  
Publication No. US20030232350A1  
GENERAL INFORMATION:  
APPLICANT: Afar, Daniel  
APPLICANT: Aziz, Natasha  
APPLICANT: Ginsberg, Wendy M.  
APPLICANT: Gish, Kurt C.  
APPLICANT: Glynn, Richard  
APPLICANT: Hevezi, Peter A.  
APPLICANT: Mack, David H.  
APPLICANT: Murray, Richard  
APPLICANT: Watson, Susan R.  
APPLICANT: Eos Biotechnology, Inc.  
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and  
FILE OF INVENTION: Methods of Screening for Modulators of Cancer  
FILE REFERENCE: 018501-012500US  
CURRENT APPLICATION NUMBER: US/10/295,027  
CURRENT FILING DATE: 2002-11-13  
PRIOR APPLICATION NUMBER: US 09/663,733  
PRIOR FILING DATE: 2000-09-15  
PRIOR APPLICATION NUMBER: US 60/350,666  
PRIOR FILING DATE: 2001-11-13  
PRIOR APPLICATION NUMBER: US 60/335,394  
PRIOR FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: US 60/332,464

PRIOR FILING DATE: 2001-11-21  
PRIOR APPLICATION NUMBER: US 60/334,393  
PRIOR FILING DATE: 2001-11-29  
PRIOR APPLICATION NUMBER: US 60/340,376  
PRIOR FILING DATE: 2001-12-14  
PRIOR APPLICATION NUMBER: US 60/347,211  
PRIOR FILING DATE: 2002-01-08  
PRIOR APPLICATION NUMBER: US 60/347,349  
PRIOR FILING DATE: 2002-01-10  
PRIOR APPLICATION NUMBER: US 60/355,250  
PRIOR FILING DATE: 2002-02-08  
PRIOR APPLICATION NUMBER: US 60/356,714  
PRIOR FILING DATE: 2002-02-13  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1386  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 503  
LENGTH: 517  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-295-027-503  
Query Match 90.7%; Score 431.6; DB 15; Length 517;  
Best Local Similarity 97.4%; Pred. No. 1.1e-131;  
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;  
QY 6 CTGCCACGACGACTGAAACACACAGACGAGCGCCCTCGCCATGAAGCTGCTGATGCTCT 65  
DB 25 CTGCCACGACGACTGAAACACACAGACGAGCGCCCTCGCCATGAAGCTGCTGATGCTCT 84  
QY 66 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125  
DB 85 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144  
QY 126 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 185  
DB 145 CATGCTGGCGGCCCTCTCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 204  
QY 186 AGAGTTTCATAGACAGTGCCTGCGCTGACAGAGCTATGGGAAATTCAGCAGTGTTCCT 245  
DB 205 AGAGTTTCATAGACAGTGCCTGCGCTGACAGAGCTATGGGAAATTCAGCAGTGTTCCT 264  
QY 246 CAACCACTGACATAGAACTCTGAAAACCTTTGGACTGATGATGATGATGATGATGATGAT 305  
DB 265 CAACCACTGACATAGAACTCTGAAAACCTTTGGACTGATGATGATGATGATGATGATGAT 324  
QY 306 CATTTGGTGTATATGAAGAGTAAATTAACCTTACCCAGAGGCTTTGGCTCAGAGGGCTAC 365  
DB 325 CATTTGGTGTATATGAAGAGTAAATTAACCTTACCCAGAGGCTTTGGCTCAGAGGGCTAC 384  
QY 366 AGACTATGGCGAGAACTCATCTGTTGATTTGCTAGAACCACTTCTCTTTGTC---TTGC 422  
DB 385 AGACTATGGCGAGAACTCATCTGTTGATTTGCTAGAACCACTTCTCTTTGTC---TTGC 444  
QY 423 TTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAATT 464  
DB 445 TTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAAA 486

RESULT 7  
US-10-198-846-10282  
Sequence 10282, Application US/10198846  
Publication No. US20030099974A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Xu, Yongyao  
APPLICANT: Wang, Youzhen  
APPLICANT: Steinmann, Kathleen  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
FILE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
TITLE OF INVENTION: THERAPY OF BREAST CANCER  
FILE REFERENCE: MRI-049  
CURRENT APPLICATION NUMBER: US/10/198,846

```
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10282
; LENGTH: 733
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 731, 732, 733
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10282

Query Match      90.7%; Score 431.6; DB 14; Length 733;
Best Local Similarity 97.4%; Pred. No. 1.4e-131;
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;

QY   6  CTGCCACGACGACTGAACACACAGACAGACGCGCTCGCCATGAAGCTGCTGATGGTCT 65
Db   79  CTGCCACGACGACTGAACACACAGACAGACGCGCTCGCCATGAAGCTGCTGATGGTCT 138
QY   66  CATGTGGGGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 125
Db   139 CATGTGGGGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 198
QY   126 CATGTTGAAGAGACATCAATCCGACATATCTATCTGATGATGATGATGATGATGAT 185
Db   199 CATGTTGAAGAGACATCAATCCGACATATCTATCTGATGATGATGATGATGATGAT 258
QY   186 AGAGTTTCATAGACAGTATGCGCTGCGACAGAGCTATGGGAAATTCAGACAGTGTTCCT 245
Db   259 AGAGTTTCATAGACAGTATGCGCTGCGACAGAGCTATGGGAAATTCAGACAGTGTTCCT 318
QY   246 CAACAGTCACATAGAACTCTGAAAACCTTTGGACTGATGATGATGATGATGATGAT 305
Db   319 CAACAGTCACATAGAACTCTGAAAACCTTTGGACTGATGATGATGATGATGATGAT 378
QY   306 CATTTGGTGTATATGAAGAGTAATTAACCTTTACCAAGGCGTTTGGCTCAGAGGGCTAC 365
Db   379 CATTTGGTGTATATGAAGAGTAATTAACCTTTACCAAGGCGTTTGGCTCAGAGGGCTAC 438
QY   366 AGACTATGCCAGAACTCATCTGTTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 422
Db   439 AGACTATGCCAGAACTCATCTGTTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 498
QY   423 TTTTATGTGGAACTGCTAGACAACTGTGAAACCTCAATT 464
Db   499 TTTTATGTGGAACTGCTAGACAACTGTGAAACCTCAATT 540

RESULT 8
US-09-967-768A-62
; Sequence 62, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer
; FILE OF INVENTION: Sets
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 62
; LENGTH: 491
; ORGANISM: Homo sapiens
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-967-768A-62

Query Match      85.6%; Score 407.4; DB 9; Length 491;
Best Local Similarity 97.0%; Pred. No. 1.1e-123;
Matches 426; Conservative 0; Mismatches 11; Indels 2; Gaps 1;

QY   28  GACAGAGCGCGCTCGCCATGAAGCTGCTGATGGTCTCTCATGTGGGGCCCTCTCTCTG 87
Db   1  GACAGAGCGCGCTCGCCATGAAGCTGCTGATGGTCTCTCATGTGGGGCCCTCTCTCTG 60
QY   88  CACTGCTATGCAGATTCTGGCTGCAAACTCTCTGGAGGACATGTTGAAAAGACCATCAAT 147
Db   61  CACTGCTATGCAGATTCTGGCTGCAAACTCTCTGGAGGACATGTTGAAAAGACCATCAAT 120
QY   148 TCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCATAGACAGTATGCC 207
Db   121 TCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCATAGACAGTATGCC 180
QY   208 GCTGCGAGAGCTATGGGAAATTCAGCAGTGTTCCTCAACCACTCAGATAGAACTCTG 267
Db   181 GCTGCGAGAGCTATGGGAAATTCAGCAGTGTTCCTCAACCACTCAGATAGAACTCTG 240
QY   268 AAAAACTTTGGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 327
Db   241 AAAAACTTTGGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
QY   328 AATTAACCTTTACCAAGGCGTTTGGCTCAGAGGCTCAGAGCTATGCGCAGAACTCATCT 387
Db   301 AATTAACCTTTACCAAGGCGTTTGGCTCAGAGGCTCAGAGCTATGCGCAGAACTCATCT 360
QY   388 GTTGATTGCTAGAAACCACTTTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 445
Db   361 GTTGATTGCTAGAAACCACTTTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY   446 AACTGTTGAAACCTCAATT 464
Db   421 AACTGTTGAAACCTCAAAAT 439

RESULT 9
US-09-814-353-2203/c
; Sequence 2203, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2203
; LENGTH: 522
; TYPE: DNA
; ORGANISM: Homo sapiens
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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 522
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-2203

Query Match      62.0%; Score 295.2; DB 10; Length 522;
Best Local Similarity 99.0%; Pred. No. 1.4e-86;
Matches 297; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      6 CTGCCACGACGACTGAACACACAGACAGCGCCCTCGCCATGAAGCTGCTGATGTCCT 65
DB      490 CTGCCACACAGACTGAACACACAGACAGCGCCCTCGCCATGAAGCTGCTGATGTCCT 431

QY      66 CATGCTGGCGGCCCTCTCTCTGCACTGTGATGAGATTCGGCTGCAAACTCTCTGGAGGA 125
DB      430 CATGCTGGCGGCCCTCTCTCTGCACTGTGATGAGATTCGGCTGCAAACTCTCTGGAGGA 371

QY      126 CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 185
DB      370 CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 311

QY      186 AGAGTTTCATAGACAGTGTGCGCGCTGCAGAGGCTATGGGGAATTCACAGCAGTGTTCCT 245
DB      310 AGAGTTTCATAGACAGTGTGCGCGCTGCAGAGGCTATGGGGAATTCACAGCAGTGTTCCT 251

QY      246 CAACCACTACATAGAACTCTGAAAACCTTGACCTGATGATGCATACAGTGTACGACAG 305
DB      250 CAACCACTACATAGAACTCTGAAAACCTTGACCTGATGATGCATACAGTGTACGAGAG 191

RESULT 10
US-09-814-353-8543/c
; Sequence 8543, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8543
; LENGTH: 522
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 522
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-8543

Query Match      62.0%; Score 295.2; DB 10; Length 522;
Best Local Similarity 99.0%; Pred. No. 1.4e-86;
Matches 297; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY      6 CTGCCACGACGACTGAACACACAGACAGCGCCCTCGCCATGAAGCTGCTGATGTCCT 65
DB      490 CTGCCACACAGACTGAACACACAGACAGCGCCCTCGCCATGAAGCTGCTGATGTCCT 431

QY      66 CATGCTGGCGGCCCTCTCTCTGCACTGTGATGAGATTCGGCTGCAAACTCTCTGGAGGA 125
DB      430 CATGCTGGCGGCCCTCTCTCTGCACTGTGATGAGATTCGGCTGCAAACTCTCTGGAGGA 371

QY      126 CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 185
DB      370 CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 311

QY      186 AGAGTTTCATAGACAGTGTGCGCGCTGCAGAGGCTATGGGGAATTCACAGCAGTGTTCCT 245
DB      310 AGAGTTTCATAGACAGTGTGCGCGCTGCAGAGGCTATGGGGAATTCACAGCAGTGTTCCT 251

QY      246 CAACCACTACATAGAACTCTGAAAACCTTGACCTGATGATGCATACAGTGTACGACAG 305
DB      250 CAACCACTACATAGAACTCTGAAAACCTTGACCTGATGATGCATACAGTGTACAGAG 191

RESULT 11
US-09-814-353-14927/c
; Sequence 14927, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14927
; LENGTH: 636
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 522
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-14927

Query Match      62.0%; Score 295.2; DB 10; Length 636;
Best Local Similarity 99.0%; Pred. No. 1.4e-86;
Matches 297; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      6 CTGCCACGACGACTGAACACACAGACAGCGCCCTCGCCATGAAGCTGCTGATGTCCT 65
DB      543 CTGCCACACAGACTGAACACACAGACAGCGCCCTCGCCATGAAGCTGCTGATGTCCT 484

QY      66 CATGCTGGCGGCCCTCTCTCTGCACTGTGATGAGATTCGGCTGCAAACTCTCTGGAGGA 125
DB      483 CATGCTGGCGGCCCTCTCTCTGCACTGTGATGAGATTCGGCTGCAAACTCTCTGGAGGA 424

QY      126 CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 185
DB      423 CATGGTTGAAAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 364

QY      186 AGAGTTTCATAGACAGTGTGCGCGCTGCAGAGGCTATGGGGAATTCACAGCAGTGTTCCT 245
DB      310 AGAGTTTCATAGACAGTGTGCGCGCTGCAGAGGCTATGGGGAATTCACAGCAGTGTTCCT 251
```

Db 363 AGAGTTTCATAGACAGTGTATGCGCTGCAGAGGCTATGGGAAATTCAGACAGTGTTCCT 304  
QY 246 CAACCACTCAGATAGAACTCTGAAAACCTTTGGACTGATGATGCATACAGTGTACGACAG 305  
Db 303 CAACCACTCAGATAGAACTCTGAAAACCTTTGGACTGATGATGCATACAGTGTACGACAG 244

## RESULT 12

US-10-198-846-8737  
; Sequence 8737, Application US/10198846  
; Publication No. US2003009974A1  
; GENERAL INFORMATION:  
; APPLICANT: Lillie, James  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Steinmann, Kathleen  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF BREAST CANCER  
; FILE REFERENCE: MRI-049  
; CURRENT APPLICATION NUMBER: US/10/198,846  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: 60/306,220  
; PRIOR FILING DATE: 2001-07-18  
; NUMBER OF SEQ ID NOS: 14084  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8737  
; LENGTH: 407  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc\_feature  
; LOCATION: 5  
; OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-8737

Query Match 61.6%; Score 293.4; DB 14; Length 407;  
Best Local Similarity 99.7%; Pred. No. 4.8e-86;  
Matches 294; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 CTGCCACGACGACTGAAACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATGTTCT 65  
Db 92 CTGCCACGACGACTGAAACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATGTTCT 151  
QY 66 CATGCTGGCGGCT 125  
Db 152 CATGCTGGCGGCT 211  
QY 126 CATGCTGAAAAGACCATCAATTCGACATATCTATCTGATGATGATGATGATGATGAT 185  
Db 212 CATGCTGAAAAGACCATCAATTCGACATATCTATCTGATGATGATGATGATGATGAT 271  
QY 186 AGAGTTTCATAGACAGTGTATGCGCTGCAGAGGCTATGGGAAATTCAGACAGTGTTCCT 245  
Db 272 AGAGTTTCATAGACAGTGTATGCGCTGCAGAGGCTATGGGAAATTCAGACAGTGTTCCT 331  
QY 246 CAACCACTCAGATAGAACTCTGAAAACCTTTGGACTGATGATGCATACAGTGTAC 300  
Db 332 CAACCACTCAGATAGAACTCTGAAAACCTTTGGACTGATGATGCATACAGTGTAC 386

## RESULT 13

US-10-198-846-129  
; Sequence 129, Application US/10198846  
; Publication No. US2003009974A1  
; GENERAL INFORMATION:  
; APPLICANT: Lillie, James  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Steinmann, Kathleen  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF BREAST CANCER

; FILE REFERENCE: MRI-049  
; CURRENT APPLICATION NUMBER: US/10/198,846  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: 60/306,220  
; PRIOR FILING DATE: 2001-07-18  
; NUMBER OF SEQ ID NOS: 14084  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 129  
; LENGTH: 499  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc\_feature  
; LOCATION: 9  
; OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-129

Query Match 61.3%; Score 291.8; DB 14; Length 499;  
Best Local Similarity 99.3%; Pred. No. 1.8e-85;  
Matches 293; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 CTGCCACGACGACTGAAACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATGTTCT 65  
Db 78 CTGCCACGACGACTGAAACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATGTTCT 137  
QY 66 CATGCTGGCGGCT 125  
Db 138 CATGCTGGCGGCT 197  
QY 126 CATGCTGAAAAGACCATCAATTCGACATATCTATCTGATGATGATGATGATGATGAT 185  
Db 198 CATGCTGAAAAGACCATCAATTCGACATATCTATCTGATGATGATGATGATGATGAT 257  
QY 186 AGAGTTTCATAGACAGTGTATGCGCTGCAGAGGCTATGGGAAATTCAGACAGTGTTCCT 245  
Db 258 AGAGTTTCATAGACAGTGTATGCGCTGCAGAGGCTATGGGAGATTCAGACAGTGTTCCT 317  
QY 246 CAACCACTCAGATAGAACTCTGAAAACCTTTGGACTGATGATGCATACAGTGTAC 300  
Db 318 CAACCACTCAGATAGAACTCTGAAAACCTTTGGACTGATGATGCATACAGTGTAC 372

## RESULT 14

US-09-867-701-6508  
; Sequence 6508, Application US/09867701  
; Patent No. US20020132237A1  
; GENERAL INFORMATION:  
; APPLICANT: Aglate, Paul A.  
; APPLICANT: Jones, Robert  
; APPLICANT: Harlocker, Susan L.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.497  
; CURRENT APPLICATION NUMBER: US/09/867,701  
; CURRENT FILING DATE: 2001-05-29  
; NUMBER OF SEQ ID NOS: 10912  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6508  
; LENGTH: 368  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-867-701-6508

Query Match 58.8%; Score 280; DB 9; Length 368;  
Best Local Similarity 95.8%; Pred. No. 1.2e-81;  
Matches 299; Conservative 0; Mismatches 10; Indels 3; Gaps 1;

QY 156 ATCTATACCTGAATACAAAGAGCTTTTCAAGAGTTTCATAGACAGTGTACGCTGACAG 215  
Db 2 ACCTATACCTGAATACAAAGAGCTTTTCAAGAGTTTCATAGACAGTGTACGCTGACAG 61  
QY 216 GGCTATGGGAAATTCAGCAGTGTTCCTCCACACAGTGCATAGAACTCTGAAAACCTT 275









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, , REFERENCE/DOCKET NUMBER: 325800-521 (PF2557)
, ,
, , TELECOMMUNICATION INFORMATION:
, ,
, , TELEPHONE: 201-994-1700
, ,
, , TELEFAX: 201-994-1744
, ,
, , INFORMATION FOR SEQ ID NO: 5:
, , SEQUENCE CHARACTERISTICS:
, , LENGTH: 476 BASE PAIRS
, , TYPE: NUCLEIC ACID
, , STRANDEDNESS: SINGLE
, , TOPOLOGY: LINEAR
, , MOLECULE TYPE: CDNA
, , US-09-583-169-5

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Query Match	100.0%;	Score 476;	DB 3;	Length 476;
Best Local Similarity	100.0%;	Pred. No. 4.6e-145;		
Matches 476;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ACGAGCTGCCACGACGACACTGAACACAGACAGACGCGCCCTCGCCATCAAGACTCTCTGATG	60	
Db	1	ACGAGCTGCCACGACGACACTGAACACAGACAGACGCGCCCTCGCCATCAAGCTCTGATG	60	
Qy	61	GTCTCTATGCTGGGGGCCCTCTCTCGACTGCTATGCAGATTCTGGCTGCAAACTCTTG	120	
Db	61	GTCTCTATGCTGGGGGCCCTCTCTCGACTGCTATGCAGATTCTGGCTGCAAACTCTTG	120	
Qy	121	GAGGACATGTTTGAAGAGAGCCATCAATTCCGACATATCTATACCTGGAATACAAAGAGCTT	180	
Db	121	GAGGACATGTTTGAAGAGAGCCATCAATTCCGACATATCTATACCTGGAATACAAAGAGCTT	180	
Qy	181	CTTCAAGAGTTCTATAGACAGTATGTCGCGCTGCAGAGGCTATGGGGAATTTCAAGCAGTGT	240	
Db	181	CTTCAAGAGTTCTATAGACAGTATGTCGCGCTGCAGAGGCTATGGGGAATTTCAAGCAGTGT	240	
Qy	241	TTCTCTCAACCAAGTCACATAGAACTCTGAAAACTTTGGACCTGATGATGCATACAGTGATC	300	
Db	241	TTCTCTCAACCAAGTCACATAGAACTCTGAAAACTTTGGACCTGATGATGCATACAGTGATC	300	
Qy	301	GACAGCATTTGGTGTAAATATGAAGAGTAATTTAACTTTACCCAAAGCGTTTGGCTCAGAGG	360	
Db	301	GACAGCATTTGGTGTAAATATGAAGAGTAATTTAACTTTACCCAAAGCGTTTGGCTCAGAGG	360	
Qy	361	GCTACAGACTATGCCGAACTCATCTCTGATTGCTAGAAACCACTTCTCTTCTTGTT	420	
Db	361	GCTACAGACTATGCCGAACTCATCTCTGATTGCTAGAAACCACTTCTCTTCTTGTT	420	
Qy	421	GCTTTTATGTGGAACTGCTAGACAACTGTGAAACCTCAATTCAATTCCTCAATTC	476	
Db	421	GCTTTTATGTGGAACTGCTAGACAACTGTGAAACCTCAATTCAATTCCTCAATTC	476	

RESULT 4  
US-09-673-395A-33  
Sequence 33, Application US/09673395A  
Patent No. 6620923  
GENERAL INFORMATION:  
APPLICANT: SPECHT, THOMAS  
APPLICANT: HINZMANN, BERND  
APPLICANT: SCHMITT, ARMIN  
APPLICANT: PILARSKY, CHRISTIAN  
APPLICANT: DAHL, EDGAR  
APPLICANT: ROSENTHAL, ANDRE  
TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE  
FILE REFERENCE: ALBRE-12  
CURRENT APPLICATION NUMBER: US/09/673.395A  
CURRENT FILING DATE: 2000-10-17  
NUMBER OF SEQ ID NOS: 637  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 33  
LENGTH: 517  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-673-395A-33

Query Match	90.78;	Score 431.6;	DB 4;	Length 517;
Best Local Similarity	97.4%;	Pred.No. 1.4e-130;		
Matches 450;	Conservative 0;	Mismatches 197;	Indels 3;	Gaps 1
QY	6	CTGCCACGACGATGTAACACAGACAGCAGCCGCTTGCACATGAAGCTCTGATGGTCT	65	
Db	1	CTGCCACGACGATGTAACACAGACAGCAGCCGCTTGCACATGAAGCTCTGATGGTCT	60	
QY	66	CATGCTGGGGCCCTCTCTGTCGACTGCTATGAGAAATTCGGCTGCAAACTCCTGGAGGA	125	
Db	61	CATGCTGGGGCCCTCTCTGTCGACTGCTATGAGAAATTCGGCTGCAAACTCCTGGAGGA	120	
QY	126	CATGCTTGAAGAAGACCATCAATTCCGACATATCTATACCTGAATCAAGAAGCTTCTTCA	185	
Db	121	CATGCTTGAAGAAGACCATCAATTCCGACATATCTATACCTGAATCAAGAAGCTTCTTCA	180	
QY	186	AGAGTTCTATAGACAGTGTGCCCTGCAGAGGCTATGGGGAAATTCAGACGATGTTCT	245	
Db	181	AGAGTTCTATAGACAGTGTGCCCTGCAGAGGCTATGGGGAAATTCAGACGATGTTCT	240	
QY	246	CAACCAAGTCACATAGAAGCTCTGAAAACTTTTGGAGCTGATGCATACAGTGTACGACAG	305	
Db	241	CAACCAAGTCACATAGAAGCTCTGAAAACTTTTGGAGCTGATGCATACAGTGTACGACAG	300	
QY	306	CATTGGTGTAAATATGAAGAGTAATTAACCTTTACCCAGGCGTTTGGCTCAGAGGCTAC	365	
Db	301	CATTGGTGTAAATATGAAGAGTAATTAACCTTTACCCAGGCGTTTGGCTCAGAGGCTAC	360	
QY	366	AGACATATGGCCAGAACTCATCTGTTGATGCTAGAAACCACTTCTCTTGTC---TTGC	422	
Db	361	AGACATATGGCCAGAACTCATCTGTTGATGCTAGAAACCACTTCTCTTGTC---TTGC	420	
QY	423	TTTTTATGTGGGAAGCTGTAGACAACTGTTGAAACCTTCAATT	464	
Db	421	TTTTTATGTGGGAAGCTGTAGACAACTGTTGAAACCTTCAATT	462	

RESULT 5  
US-08-969-987-5  
; Sequence 5, Application US/08969987A  
; Patent No. 6303297  
; GENERAL INFORMATION:  
; APPLICANT: Lincoln, Steve  
; APPLICANT: Klinger, Tod M.  
; APPLICANT: Au-young, Janice  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Goold, Richard  
; APPLICANT: Seilhamer, Jeffrey J.  
; APPLICANT: Hawkins, Phillip R.  
; APPLICANT: Murry, Lynn E.  
; APPLICANT: Delegeane, Angelo M.  
; APPLICANT: Levine, Wendy B.  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Altus, Christina M.  
; APPLICANT: Bandman, Olga  
; APPLICANT: Labrie, Samuel T.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: Database for Storage and Analysis of  
; TITLE OF INVENTION: Full Length Sequences  
; FILE REFERENCE: 6514-069001  
; CURRENT APPLICATION NUMBER: US/08/969,987A  
; CURRENT FILING DATE: 1997-11-13  
; EARLIER APPLICATION NUMBER: 08/282,955  
; EARLIER FILING DATE: 1995-07-29  
; EARLIER APPLICATION NUMBER: 08/187,530  
; EARLIER FILING DATE: 1994-01-27  
; EARLIER APPLICATION NUMBER: 08/179,873  
; EARLIER FILING DATE: 1994-01-11  
; EARLIER APPLICATION NUMBER: 08/100,523  
; EARLIER FILING DATE: 1993-08-03  
; EARLIER APPLICATION NUMBER: 07/977,780



```
RESULT 7
US-08-933-149-1
; Sequence 1, Application US/08933149
; Patent No. 5922836
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A.
; APPLICANT: FLEMING, TIMOTHY P.
; TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
; TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAERKAMP, L.C.
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/933,149
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: HENDERSON, MELODIE W.
; REGISTRATION NUMBER: 37,848
; REFERENCE/DOCKET NUMBER: 6029-5040
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 503 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-933-149-1

Query Match 47.0%; Score 223.8; DB 2; Length 503;
Best Local Similarity 71.4%; Pred. No. 6.9e-63;
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

QY 7 TGCACGACGACTGAACACACAGACAGCGCCCTCGCCATGAGCTGCTGATGCTCTC 66
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 67 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 126
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 82 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 141
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 127 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 186
QY 187 GAGTTCATAGACAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 246
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 202 GAGTTCATAGACAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 261
QY 247 AACCAAGTATGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 306
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 262 AACCAAGTATGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 321
QY 307 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 366
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 322 AGTCTCTTCTGATT-----ATTCTTCTGCAAGACCTTTGGCTCAGAGTCTCA 375

US-09-806-302a-1
; Sequence 1, Application US/09082343
; Patent No. 5968754
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A.
; APPLICANT: FLEMING, TIMOTHY P.
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
; TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HAERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,343
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/455,896
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 952726
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 503 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-082-343-1

Query Match 47.0%; Score 223.8; DB 2; Length 503;
Best Local Similarity 71.4%; Pred. No. 6.9e-63;
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

QY 7 TGCACGACGACTGAACACACAGACAGCGCCCTCGCCATGAGCTGCTGATGCTCTC 66
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 22 TGCACCGCGGCTGAAACACCGACAGCGCCCTCACCATGAGCTTCTGATGCTCTC 81
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 67 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 126
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 82 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 141
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 127 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 186
QY 142 GTGATTTCCAAAGCAATCAATCCACAAGTGTCTTAGACTGAATACAAAGAACTTCTTCAA 201
QY 187 GAGTTCATAGACAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 246
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 202 GAGTTCATAGACAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 261
QY 247 AACCAAGTATGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 306
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 262 AACCAAGTATGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 321
QY 307 ATGCTGGGGCCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 366
Db | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 322 AGTCTCTTCTGATT-----ATTCTTCTGCAAGACCTTTGGCTCAGAGTCTCA 375
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QY 187 GAGTTTCATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 246  
DB 202 GAGTTCATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 261  
QY 247 AACCAAGTACATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 306  
DB 262 AACCAAGTACATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 321  
QY 307 ATTTGGTGTATATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 366  
DB 322 AGTCTTTGTGATTT-----ATTTTAACTTTCTGCAAGACCTTTGGCTCAGAGGCTACA 375  
QY 367 GAGTATGCGGAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTTCTTTGCTTCTT 424  
DB 376 GGGTATGCTGAGAAACCAACTACGATTTGCTGCAACCACTTTGGCTCAGAGGCTACA 435  
QY 425 TTTATGCGGAACTGCTAGACAACTGTTGAAACCT 459  
DB 436 TTTTACTACAACTACAGACAAATGTTGAAACCT 470

RESULT 11  
US-09-509-015-1  
; Sequence 1, Application US/09509015  
; Patent No. 6677428  
; GENERAL INFORMATION:  
; APPLICANT: WATSON, MARK S.; FLEMING, TIMOTHY P.  
; TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
; CITY: ST. LOUIS  
; STATE: MISSOURI  
; COUNTRY: USA  
; ZIP: 63105-1817  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/509,015  
; FILING DATE: 30-May-2000  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US98/17991  
; FILING DATE: 1998-09-18  
; APPLICATION NUMBER: 08/933,149  
; FILING DATE: 1997-09-18  
; ATTORNEY/AGENT INFORMATION:  
; NAME: KASTEN, DANIEL S.  
; REGISTRATION NUMBER: 45,363  
; REFERENCE/DOCKET NUMBER: 6029-3654  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314) 727-5188  
; TELEFAX: (314) 727-6092  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 503 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA to mRNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-509-015-1

Query Match 47.0%; Score 223.8; DB 4; Length 503;  
Best Local Similarity 71.4%; Pred. No. 6.9e-63;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

QY 7 TGCACGACGAGTATGAGACAGACAGACAGCCGCTCGCCATGAGCTGCTGATGCTCTC 56  
DB 22 TGCACGACGAGTATGAGACAGACAGACAGCCGCTCGCCATGAGCTGCTGATGCTCTC 81  
QY 67 ATGCTGGCGGCTCTCTCTGCACTGCTATGAGATTTCTGGCTGCAAACTCTCTGGAGGAC 126  
DB 82 ATGCTGGCGGCTCTCTCTGCACTGCTATGAGATTTCTGGCTGCAAACTCTCTGGAGGAC 141  
QY 127 ATGCTGGCGGCTCTCTCTGCACTGCTATGAGATTTCTGGCTGCAAACTCTCTGGAGGAC 186  
DB 142 ATGCTGGCGGCTCTCTCTGCACTGCTATGAGATTTCTGGCTGCAAACTCTCTGGAGGAC 201  
QY 187 GAGTTCATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 246  
DB 202 GAGTTCATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 261  
QY 247 AACCAAGTACATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 306  
DB 262 AACCAAGTACATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 321  
QY 307 ATTTGGTGTATATAGACAGTATGCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTTCCTC 366  
DB 322 AGTCTTTGTGATTT-----ATTTTAACTTTCTGCAAGACCTTTGGCTCAGAGGCTACA 375  
QY 367 GAGTATGCGGAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTTCTTTGCTTCTT 424  
DB 376 GGGTATGCTGAGAAACCAACTACGATTTGCTGCAACCACTTTGGCTCAGAGGCTACA 435  
QY 425 TTTATGCGGAACTGCTAGACAACTGTTGAAACCT 459  
DB 436 TTTTACTACAACTACAGACAAATGTTGAAACCT 470

RESULT 12  
PCT-US96-08235-1  
; Sequence 1, Application PC/TUS9608235  
; GENERAL INFORMATION:  
; APPLICANT: WATSON, MARK A.  
; APPLICANT: FLEMING, TIMOTHY P.  
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
; CITY: ST. LOUIS  
; STATE: MISSOURI  
; COUNTRY: USA  
; ZIP: 63105-1817  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US96/08235  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HOLLAND, DONALD R.  
; REGISTRATION NUMBER: 35,197  
; REFERENCE/DOCKET NUMBER: 964796  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314) 727-5188  
; TELEFAX: (314) 727-6092  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 503 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA to mRNA







